

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A printing module which comprises:
 - a main frame;
 - an impression roller being rotatably bearing-mounted in the main frame;
 - a plate cylinder assembly having a plate cylinder that is provided with a print image and that, in use, with the interposition of a substrate to be printed, abuts against the impression roller;
 - an ink reservoir;
 - a doctor roller configured to take up ink from the ink reservoir;
 - an anilox roller being arranged between the doctor roller and the plate cylinder and configured to remove a desired amount of ink from the doctor roller and to transfer ink to the plate cylinder;
 - a first subframe in which the plate cylinder is rotatably bearing-mounted and that is pivotably connected to the main frame through a first pivot for positioning the plate cylinder relative to the impression roller;
 - a second subframe in which the anilox roller and the doctor roller are rotatably bearing-mounted and that is pivotably connected to the main frame through a second pivot for positioning, and setting a distance of, the anilox roller relative to the plate cylinder, such that a positioning change of the plate cylinder relative to the impression roller does not affect the positioning of the anilox roller relative to the plate cylinder and that a positioning change of the anilox roller relative to the plate cylinder does not affect the positioning of the plate cylinder relative to the impression roller.

2. (Previously Presented) The printing module according to claim 1, further comprising a stop surface that is provided on the plate cylinder assembly, and a stop that is provided on the second subframe and that, in use, abuts against the stop surface of the plate cylinder, a position of the stop being settable relative to the second subframe.

3. (Canceled).

4. (Previously Presented) The printing module according to claim 2,
wherein a portion of the stop surface that is provided on the plate cylinder assembly is settable relative to the plate cylinder; and

wherein the stop that is provided on the second subframe, in use, abuts against the stop surface of the plate cylinder.

5-8. (Canceled)

9. (Previously Presented) The printing module according to claim 1, further comprising:
a first piston-cylinder assembly which has a first end connected with the main frame and which has a second end connected with the first movable subframe, such that with the aid of the first piston-cylinder assembly the pressure which the plate cylinder exerts in use on the impression roller is settable.

10. (Previously Presented) The printing module according to claim 1, further comprising:

a second piston-cylinder assembly which has a first end connected with the main frame and which has a second end connected with or abutting against the second subframe, such that with the aid of the second piston-cylinder assembly, the second subframe is adjustable relative to the main frame.

11. (Previously Presented) The printing module according to claim 1, further comprising:

a second piston-cylinder assembly which has a first end connected with the first subframe and which has a second end connected with or abutting against the second subframe, such that with the aid of the second piston-cylinder assembly, the second subframe is adjustable relative to the first subframe.

12. (Previously Presented) The printing module according to claim 1, wherein the plate cylinder assembly further comprises:

a stationary shaft on which the plate cylinder is rotatably bearing-mounted, while on opposite sides of the plate cylinder a stop ring is provided which forms a stop surface and is fixedly connected with the stationary shaft, while on opposite sides of the plate cylinder a supporting ring is fixedly connected with the stationary shaft.

13. (Previously Presented) The printing module according to claim 12, wherein the first subframe further comprises:

two receiving units disposed on opposite sides of the plate cylinder configured to receive the supporting rings when the plate cylinder assembly is mounted in the printing module in an operative position.

14. (Currently Amended) The printing module according to claim 13, each of the receiving units comprising:

a supporting surface that is provided with a particular curve, the curve being such that the distance between plate cylinder and the anilox roller on the one hand and the distance between the plate cylinder and the impression roller on the other are pairwise equal to each other at different diameters of plate cylinders, which are provided with supporting rings of diameters matching the plate cylinders.

15. (Previously Presented) The printing module according to claim 13, further comprising:

fixation means configured to fixate a plate cylinder assembly in the receiving units, the fixation means being located substantially under the plate cylinder assembly and having two rods which, at an upwardly directed end, are each provided with an associated hook, the two hooks being configured to engage the stationary shaft of the plate cylinder assembly on opposite sides of the plate cylinder when the plate cylinder is in an operative position, while on the two rods a pull force is exerted for pressing the plate cylinder assembly into the receiving units.

16. (Canceled)

17. (Previously Presented) The printing module according to claim 15, further comprising:

two piston-cylinder assemblies of which each one is connected with an associated one of the two rods, at an end of the associated rod that is remote from the associated hooks, each piston-cylinder assembly being configured for adjusting the position of the associated rods in a longitudinal direction thereof and for exerting said pull force.

18. (Previously Presented) The printing module according to claim 15, wherein the fixation means further comprises:

bearing surfaces configured to support the plate cylinder assembly when the fixation means are in a release position in which the plate cylinder assembly is lifted out of the receiving units and is moved upwards, such that the plate cylinder assembly can be simply taken out of the printing module.

19. (Previously Presented) The printing module according to claim 18, wherein each rod is provided with a said bearing surface, and is configured such that upon upward movement of the rods in the direction of the longitudinal axes of the rods the associated bearing surfaces automatically enters into engagement with the stationary shaft and thereby lifts the plate cylinder assembly from the receiving units.

20. (Previously Presented) The printing module according to claim 15, further comprising:

receiving means positioned substantially above the receiving units, the receiving means being configured to mount additional processing means.

21. (Previously Presented) The printing module according to claim 20, wherein the receiving means includes two guides.

22. (Previously Presented) The printing module according to claim 20, wherein the additional processing means further comprise at least one of a substrate web inverting unit, a winder, and a laminating unit.

23. (Previously Presented) A printing machine containing a printing module that comprises:

- a main frame;

- an impression roller being rotatably bearing-mounted in the main frame;

- a plate cylinder assembly having a plate cylinder that is provided with a print image and which, in use, with the interposition of a substrate to be printed, abuts against the impression roller;

- an ink reservoir;

- a doctor roller configured to take up ink from the ink reservoir;

- an anilox roller being arranged between the doctor roller and the plate cylinder and configured to remove a desired amount of ink from the doctor roller and to transfer ink to the plate cylinder;

a first subframe in which the plate cylinder is rotatably bearing-mounted and that is pivotably connected to the main frame through a first pivot for the purpose of the positioning of the plate cylinder relative to the impression roller;

a second subframe in which the anilox roller and the doctor roller are rotatably bearing-mounted and that is pivotably connected to the main frame through a second pivot for the purpose of the positioning the anilox roller relative to the plate cylinder, such that a positioning change of the plate cylinder relative to the impression roller does not affect the positioning of the anilox roller relative to the plate cylinder and that a positioning change of the anilox roller relative to the plate cylinder does not affect the positioning of the plate cylinder relative to the impression roller .